Index of Claims

Application/Control No.

Reexamination

Applicant(s)/Patent under

10/654,546 Examiner

**GUZI ET AL.** Art Unit

Thomas McKenzie, Ph.D.

1624

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected N Interference

**Appeal** Α 0 Objected

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|---|--|
| 2   X   X     3   X   X     4   X   X     5   X   X     6   X   X     7   X   X     9   X   X     10   X   59     11   X   60     11   X   61     12   X   62     13   X   62     13   X   64     15   X   65     16   X   66     17   X   66     17   X   68     19   X   68     19   X   69     20   X   70     21   X   73     24   X   75     26   X   75     26   X   77     28   X   79     30   X   80     31   X   80     31   X   80     32  |  |
| 3   X   X     4   X   X     5   X   X     6   X   X     7   X   X     8   X   X     9   X   X     10   X   X     11   X   X     12   X   X     13   X   X     14   X   X     16   X   X     17   X   X     19   X   X     20   X   X     21   X   X     22   X   X     23   X   X     26   X   X     29   X   X     29   X   X     30   X   X     31   X   X     80   81     32   X   X   |  |
| 4   X   X     5   X   X     6   X   X     7   X   X     8   X   X     9   X   X     10   X   X     11   X   X     12   X   X     13   X   X     14   X   64     15   X   65     16   X   66     17   X   68     19   X   69     20   X   70     21   X   72     23   X   74     25   X   75     26   X   77     28   X   79     30   X   80     31   X   80     31   X   82   |  |
| 5   X   X     6   X   X     7   X   X     8   X   X     9   X   X     10   X   X     11   X   X     12   X   X     13   X   X     14   X   X     16   X   X     16   X   X     19   X   X     20   X   X     21   X   X     22   X   X     23   X   X     26   X   X     29   X   X     29   X   X     30   X   X     31   X   X     80   81     32   X   |  |
| 6   X   X     7   X   X     8   X   X     9   X   X     10   X   X     11   X   X     12   X   X     13   X   X     14   X   X     15   X   X     16   X   X     17   X   X     18   X   X     19   X   X     20   X   X     21   X   X     23   X   X     24   X   X     26   X   X     29   X   X     30   X   X     31   X   X     80   81     32   X  |  |
| 7   X   X     8   X   X     9   X   X     10   X   X     11   X   X     12   X   X     13   X   X     14   X   X     15   X   X     16   X   X     18   X   X     19   X   X     20   X   X     21   X   X     23   X   X     24   X   X     26   X   X     29   X   X     30   X   X     31   X   X     80   81     32   X   |  |
| 8   X   X     9   X   X     10   X   X     11   X   X     12   X   X     13   X   X     14   X   X     16   X   X     16   X   X     18   X   X     19   X   X     20   X   X     21   X   X     23   X   X     24   X   X     26   X   X     29   X   X     30   X   X     31   X   X     80   81     32   X   X   |  |
| 9   X   X     10   X   X     11   X   X     12   X   X     13   X   X     14   X   X     15   X   X     16   X   X     18   X   X     19   X   X     20   X   X     21   X   X     22   X   X     23   X   X     24   X   X     26   X   X     29   X   X     30   X   X     31   X   X     80   81     32   X  |  |
| 10   X   X     11   X   X     12   X   X     13   X   X     14   X   X     15   X   X     16   X   X     18   X   X     19   X   X     20   X   X     21   X   X     22   X   X     23   X   X     24   X   X     26   X   X     29   X   X     30   X   X     31   X   X     80   81     32   X   X  |  |
| 111   |  |
| 12   X   X     13   X   X     14   X   X     15   X   X     16   X   X     16   X   X     18   X   X     19   X   X     20   X   X     21   X   X     22   X   X     23   X   X     24   X   X     25   X   X     26   X   X     29   X   X     30   X   X     31   X   X     80   81     32   X   X  |  |
| 13   X   X     14   X   X     15   X   X     16   X   X     17   X   X     18   X   X     19   X   X     20   X   X     21   X   X     21   X   X     23   X   X     24   X   X     25   X   X     26   X   X     27   X   X     29   X   X     30   X   X     31   X   X     80   81     32   X   X  |  |
| 14   X   X     15   X   X     16   X   X     17   X   X     18   X   X     19   X   X     20   X   X     21   X   X     21   X   X     23   X   X     24   X   X     25   X   X     26   X   X     27   X   X     29   X   X     30   X   X     31   X   X     80   81     32   X   |  |
| 15   X   X     16   X   X     17   X   X     18   X   X     19   X   X     20   X   X     21   X   X     21   X   X     22   X   X     23   X   X     24   X   X     25   X   X     26   X   X     27   X   X     29   X   X     30   X   X     31   X   X     80   81     32   X   X   |  |
| 16   X   X     17   X   X     18   X   X     19   X   X     20   X   X     21   X   X     21   X   X     22   X   X     23   X   X     24   X   X     25   X   X     26   X   X     27   X   X     28   X   X     29   X   X     30   X   X     31   X   X     80   81     32   X   X   |  |
| 17   X   X     18   X   X     19   X   X     20   X   X     21   X   X     21   X   X     22   X   X     23   X   X     24   X   X     25   X   X     26   X   X     27   X   X     28   X   X     29   X   X     30   X   80     31   X   X     80   81     32   X   X   |  |
| 18   X   X     19   X   X     20   X   X     21   X   X     21   X   X     22   X   X     23   X   X     24   X   X     25   X   X     26   X   X     27   X   X     28   X   X     29   X   X     30   X   X     31   X   X     80   81     32   X   X   |  |
| 19 X X   69     20 X X   70     21 X X   71     22 X X   72     23 X X   73     24 X X   74     25 X X   75     26 X X   76     27 X X   77     28 X X   78     29 X X   79     30 X X   80     31 X X   81     32 X X   82   | +++  |
| 20   X   X     21   X   X     22   X   X     23   X   X     24   X   X     25   X   X     26   X   X     27   X   X     28   X   X     29   X   X     30   X   X     31   X   X     80   31   X     32   X   X  | ++-+   |
| 21  | +++  |
| 22  | 444  |
| 23   X   X     24   X   X     25   X   X     26   X   X     27   X   X     28   X   X     29   X   X     30   X   X     31   X   X     32   X   X     82   82   | +  |
| 24 X X   25 X X   26 X X   27 X X   28 X X   29 X X   30 X X   31 X X   32 X X   82   | +++  |
| 25 X X  | +++  |
| 26 X X   27 X X   28 X X   29 X X   30 X X   31 X X   32 X X   82 82  | ++-  |
| 27   X   X  | +++-   |
| 28   X   X  | <del>                                     </del> |
| 29   X   X  | <del>    `   -</del>                             |
| 30 X X 8 80 81 81 82 82 82  | <del>                                     </del> |
| 31 X X 8 81 82 82   | <del>                                     </del> |
| 32 X X 82 82  | <del>    </del>                                  |
|   |  |
| 33 X X   83   83  |  |
| 34 X X 84 84  |  |
| 35 X X 85   |  |
| 36 X X 8 86   | <del>                                     </del> |
| 37 X X 8 87   | <del>                                     </del> |
| 38 X X 8 88   |  |
| 39 X X 89   | $\Box$   |
| 40 X X 90   |  |
| 41 X X 91   |  |
| 42 X X 92 92  |  |
| 43 X 93   |  |
| 44 X 94   |  |
| 45 X 95   |  |
| 46 X 96   | $\Box$   |
| 47 X 97   |  |
| 48 98   |  |
| 49 99 99  |  |
| 50 100  |  |

| Cla  | aim                              | Date     |              |  |              |              |              |  |              |  |
|--|----------------------------------|----------|--------------|--|--------------|--------------|--------------|--|--------------|--|
|  | ľ                                |          |              | П  | Г            | I            | П            | Γ  | Π            |  |
| Final  | Original                         |          |              |  |              |              |              |  |              |  |
|  | 51                               |          |              | <u> </u>   |              |              |              |  |              |  |
|  | 52                               |          |              |  |              |              |              |  |              |  |
|  | 53                               |          |              |  |              |              |              | Г  |              | Г  |
|  | 54                               |          |              | $\vdash$   |              |              |              | П  | $\vdash$     |  |
|  | 52<br>53<br>54<br>55             |          |              | <u> </u>   | _            |              | -            | 1  | 1            |  |
| <u> </u>   | 56                               | _        |              |  |              |              |              |  |              |  |
|  | 57                               |          |              | T  |              |              |              |  |              |  |
|  | 58                               | _        |              | Ι  |              |              |              | П  |              |  |
|  | 59                               |          |              |  |              |              |              |  | İ            |  |
|  | 60                               |          |              |  |              |              |              |  |              |  |
|  | 61                               | -        |              | _  |              |              |              |  |              | <del>                                     </del> |
|  | 62                               |          |              |  |              |              |              |  |              |  |
|  | 63                               |          |              | T  |              |              |              |  |              | П  |
| <u> </u>   | 64                               |          |              | <u> </u>   |              | Π            | <u> </u>     |  |              | П  |
|  | 64<br>65                         |          |              |  |              |              |              |  |              |  |
|  | l 66                             |          |              | T  |              |              |              |  |              |  |
|  | 67                               |          |              |  |              |              |              |  |              |  |
|  | 68                               | П        |              |  |              |              |              |  |              |  |
|  | 69                               | Г        |              |  |              |              |              |  |              | П  |
|  | 70                               | П        |              |  |              |              |              |  |              |  |
|  | 71                               | П        |              |  |              |              |              |  |              |  |
|  | 72                               |          |              |  |              |              |              |  |              |  |
|  | 68<br>69<br>70<br>71<br>72<br>73 |          |              |  |              |              |              |  |              |  |
|  | 74<br>75                         |          |              |  | Ĺ            | <u> </u>     |              |  |              |  |
|  | 75                               |          |              |  |              |              |              |  |              |  |
| L  | 76                               |          |              |  | L            | <u> </u>     | ot           |  |              |  |
|  | 77                               |          | <u> </u>     |  |              | <u> </u>     | _            | Ŀ  |              | L.   |
| <u> </u>   | 78                               | _        |              | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | _            |              | <u> </u>     | _  | L            |  |
|  | 79                               | _        | L            |  | L_           | <u> </u>     | L            | _  | _            |  |
|  | 80                               |          |              |  | L            | <u> </u>     | _            | L_   |              |  |
|  | 81                               | <u> </u> | <u> </u>     | <u> </u>   | <u> </u>     | <u> </u>     | <u> </u>     | <u> </u>   | <u> </u>     | <u> </u>   |
|  | 82<br>83                         | L        | _            | _  | _            | <u> </u>     | _            | _  | <u> </u>     | <u> </u>   |
| <u> </u>   | 83                               | <u> </u> | <u> </u>     | _  | _            | _            | _            | _  | <u> </u>     |  |
| <u> </u>   | 84                               | ļ        | ├            | <u> </u>   | ├—           | ⊢            | <del> </del> | <u> </u>   | <u> </u>     |  |
| <u> </u>   | 85                               | <u> </u> | ├-           | <u> </u>   | $\vdash$     | <del> </del> | ├—           | <u> </u>   | <u> </u>     | $\vdash$   |
| <u> </u>   | 86                               | $\vdash$ | ├            | <del> </del>                                     | ⊢            | ├            | ├—           | -  |              | $\vdash$   |
|  | 87                               | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$     | ├            | $\vdash$     | ├  | <del> </del> | <del> </del>                                     |
|  | 88<br>89                         | $\vdash$ | $\vdash$     |  | $\vdash$     | $\vdash$     | $\vdash$     | <del>                                     </del> | $\vdash$     |  |
| <u> </u>   | 90                               | <u> </u> | -            |  | -            | ┢            | -            | -  | ┢            |  |
|  | 91                               | ├—       |              | ├-   | $\vdash$     |              | ├-           | ├─   | ⊢            | $\vdash$   |
|  | 92                               | $\vdash$ | $\vdash$     | ├  | -            | ⊢            | <del> </del> | $\vdash$   | ├─           | -  |
|  | 93                               | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$     | -  | <del> </del> | $\vdash$   |
| <b>—</b>   | 94                               | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$     | ⊢            | ┝  | $\vdash$     | $\vdash$   |
| -  | 95                               | <u> </u> |              | $\vdash$   | $\vdash$     | <u> </u>     | -            | $\vdash$   | $\vdash$     | $\vdash$   |
| <del>                                     </del> | 96                               | $\vdash$ | <del> </del> | $\vdash$   | _            | $\vdash$     | <del> </del> | ├  | $\vdash$     | $\vdash$   |
|  | 97                               | -        | <del> </del> | -  | <del> </del> |              |              | <del> </del>                                     | <del> </del> | H  |
|  | 98                               | -        | <del> </del> | -  | -            | $\vdash$     | <u> </u>     | $\vdash$   |              | H  |
| <u> </u>   | 99                               | $\vdash$ | $\vdash$     | <del>                                     </del> | $\vdash$     | -            | $\vdash$     | $\vdash$   | $\vdash$     | Н  |
| $\vdash$   | 100                              | Н        | Н            | $\vdash$   | $\vdash$     | -            | H            | Н  |              | $\vdash$   |
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| Cla   |                   |               |          |              | Date         | е           |          |              |                | ١            |    |
|-------|-------------------|---------------|----------|--------------|--------------|-------------|----------|--------------|----------------|--------------|----|
|       |                   |               |          |              |              |             |          |              |                | l            |    |
| ਰ     | Original          |               |          |              |              |             |          |              |                |              | l  |
| Final | ij                |               | ĺ        |              |              |             |          |              |                |              | l  |
| _     |                   |               |          |              |              |             |          |              |                |              | l  |
|       | 101               | _             | $\vdash$ | -            | $\vdash$     | ┢           | ┰        | $\vdash$     | $\vdash$       | $\vdash$     | l  |
|       | 102               |               |          | -            | -            | ┢           |          | -            | -              | -            | l  |
|       | 101<br>102<br>103 | -             | -        | $\vdash$     | ┢            | -           | -        | _            | ┢              | $\vdash$     | l  |
|       | 104               | _             |          | ├            | ┝            | -           | H        | -            | -              | -            | l  |
|       | 104<br>105        | -             | _        | -            | -            | ├-          | ┢        | ┝            | _              | $\vdash$     | l  |
|       | 106               |               |          | ├            | $\vdash$     |             | ┝        | _            | _              | -            | l  |
|       | 107               |               |          |              | <del> </del> |             | -        | ┝            | ┢              |              | l  |
|       | 108               |               |          | ⊢            | ⊢            | -           | ├        | <del> </del> | ⊢              |              | l  |
|       | 109               |               |          |              | <u> </u>     | -           |          |              | -              |              | l  |
|       | 109               |               |          |              | H            |             |          | -            |                | ⊢            | l  |
|       | 110<br>111        |               | -        | ├            | ├-           | -           | $\vdash$ | <del> </del> | $\vdash$       | $\vdash$     | l  |
|       | 111               |               |          |              |              | ├           | ├        | -            | $\vdash$       | $\vdash$     |    |
|       | 112<br>113        | -             | _        | ├-           |              | <u> </u>    | ⊢        |              | _              | _            |    |
|       | 113               | H             | -        | $\vdash$     | $\vdash$     | $\vdash$    | $\vdash$ | $\vdash$     | $\vdash$       | $\vdash$     | l  |
|       | 114               | H             | _        | ⊢            | <u> </u>     | $\vdash$    | ⊢        | $\vdash$     | $\vdash$       | $\vdash$     |    |
|       | 115<br>116        | <del> </del>  |          | $\vdash$     | $\vdash$     | $\vdash$    | $\vdash$ | $\vdash$     | $\vdash$       | $\vdash$     | ١. |
|       | 116               | $\vdash$      | ⊢        | $\vdash$     | ⊢            | $\vdash$    |          | ├            |                | <del> </del> | ľ  |
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|       | 118<br>119        |               | -        | ├-           | ├-           | <u> </u>    | <u> </u> | <del> </del> |                | <u> </u>     |    |
|       | 119               |               | _        | <u> </u>     | _            | <u> </u>    | -        | _            | _              | H            |    |
|       | 120<br>121<br>122 |               |          | _            | -            | _           | -        |              | -              | -            | l  |
|       | 121               | _             | -        | -            | <u> </u>     | <u> </u>    | ├        | ┝            | <del> </del> — | _            | l  |
|       | 122               |               |          | ⊢            | ┝            | ┝           | -        | _            | ┝              | H            |    |
|       | 123               |               |          | <u> </u>     | -            | -           |          |              | _              | H            |    |
|       | 123<br>124<br>125 | _             | _        | ├-           | -            | ┝           | -        | -            | -              | H            |    |
|       | 125               |               |          | $\vdash$     | H            |             | $\vdash$ |              | ┝              | $\vdash$     |    |
| _     | 126<br>127<br>128 | _             |          | _            | -            | -           |          | <u> </u>     | -              |              | l  |
|       | 127               | _             |          |              | -            | <u> </u>    |          | -            | <u> </u>       | -            |    |
|       | 120               |               | _        | -            | $\vdash$     | -           | -        | -            | ⊢              | $\vdash$     |    |
|       | 129<br>130        |               | _        |              | $\vdash$     | -           | _        | $\vdash$     | $\vdash$       | $\vdash$     |    |
|       | 130               | -             |          |              | ⊢            | -           | -        | <u> </u>     | ⊢              |              |    |
|       | 131               | <del>  </del> | -        |              | <del> </del> | <u> </u>    |          | <del> </del> | ├              | $\vdash$     | l  |
|       | 132<br>133        | H             |          | <del> </del> | <u> </u>     |             | <u> </u> | <u> </u>     | <u> </u>       | -            |    |
|       | 124               |               | ٠,       | _            |              | _           | $\vdash$ | $\vdash$     | -              | -            |    |
|       | 134<br>135        |               |          | <u> </u>     | <u> </u>     | <del></del> | ├        | <u> </u>     | <u> </u>       | $\vdash$     |    |
|       | 136               |               |          | $\vdash$     | <u> </u>     |             |          | <u> </u>     | <u> </u>       | H            |    |
|       | 127               |               |          | <del> </del> | <u> </u>     | <u> </u>    | ├        | H            | <u> </u>       | -            |    |
|       | 137<br>138<br>139 | $\vdash$      |          | <u> </u>     |              | <b> </b>    | $\vdash$ |              |                | Н            |    |
|       | 120               | -             | -        | <u> </u>     | <del> </del> |             | $\vdash$ |              | -              | $\vdash$     |    |
|       | 140               | $\vdash$      | -        | -            | $\vdash$     | <u> </u>    | -        | $\vdash$     | $\vdash$       | $\vdash$     |    |
|       | 141               | $\vdash$      | _        | <u> </u>     | _            | <u> </u>    | -        | $\vdash$     | _              |              |    |
|       | 142               |               |          | -            | _            | H           | -        | <u> </u>     | -              | H            |    |
|       | 143               | $\vdash$      | -        |              | -            | Н           | $\vdash$ |              |                | H            |    |
|       | 144               | -             | -        |              | -            | H           | $\vdash$ | -            |                | $\vdash$     |    |
|       | 145               | -             | -        | -            | $\vdash$     |             | $\vdash$ |              | -              | $\vdash$     |    |
|       | 146               | $\vdash$      |          |              | -            |             | -        | -            |                | $\vdash$     |    |
| _     | 147               | Н             |          | -            | —            |             | $\vdash$ | $\vdash$     |                | $\dashv$     |    |
| -     | 148               |               |          |              |              |             |          |              | -              | $\vdash$     |    |
| -     | 149               | $\dashv$      | =        | -            | -            |             | $\vdash$ | $\vdash$     |                | $\dashv$     |    |
|       | 150               |               |          |              |              |             | -        | -            |                | $\vdash$     |    |
|       | 100               |               |          |              |              |             |          | ليبا         | L              |              |    |